



Campus Update

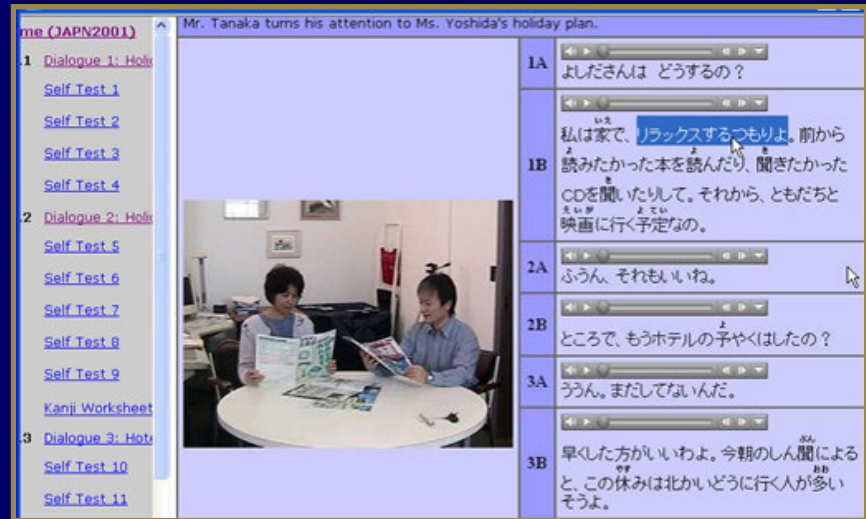
Dr. G. Wayne Clough
President

Georgia Tech
Advisory Board

September 28, 2007

Transforming the learning environment

- Online learning comes alive
 - ▷ Horizon Wimba Live Classroom for languages
 - ▷ Halo technology
- Library East and West Commons : 2007 Excellence in Academic Libraries Award
- Sophomore Experience in the North Avenue Apartments



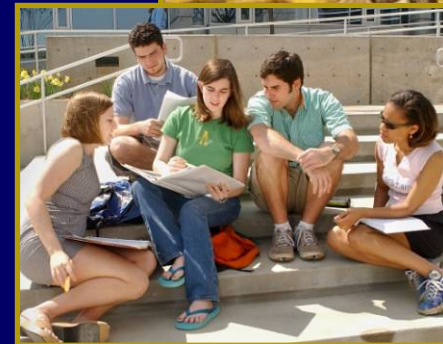
Live environment, real-time interaction

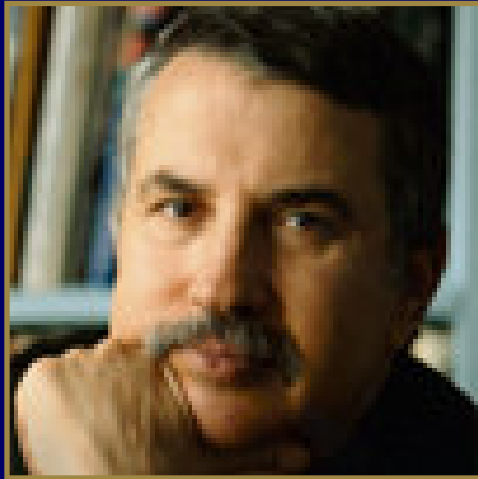


East Commons

A new breed of graduate who...

- Understands technology.
Even liberal arts studies are imbued with technology.
- Knows how to ask questions as well as find answers.
Almost half of undergraduates do structured research for credit.
- Has a sustainability perspective.
Environmental sustainability pervades the curriculum.
- Is a citizen of the world.
More than a third of undergraduates study abroad.
- Is prepared for leadership.
Tech offers a multitude of leadership learning experience in and out of the classroom.

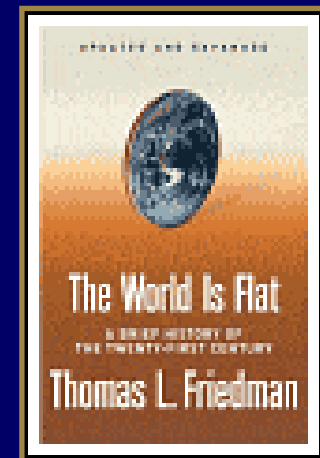




Tech has the “right stuff”

“What the Georgia Tech model recognizes is that the world is increasingly going to be operating off of the flat-world platform, with its tools for all kinds of horizontal collaboration.”

Thomas L. Friedman
The World is Flat



Career Fair draws the usual...



... and the not-so-usual



A uniquely diverse community

- Economically diverse: Georgia Tech Promise
 - ▷ Inaugurated this fall with 200 students
 - ▷ Average family income: \$22,754
 - ▷ Majority minority
- Ethnically diverse:
 - ▷ Nation's No. 1 producer of under-represented minority and female engineers
 - ▷ Awards 10% of nation's African-American engineering PhDs
- Culturally diverse: More international students than any other college or university in Georgia



Athletics contribute to the experience



Women's tennis team:
NCAA Champions, national
indoor champions



Gator Bowl:
10th consecutive
bowl appearance

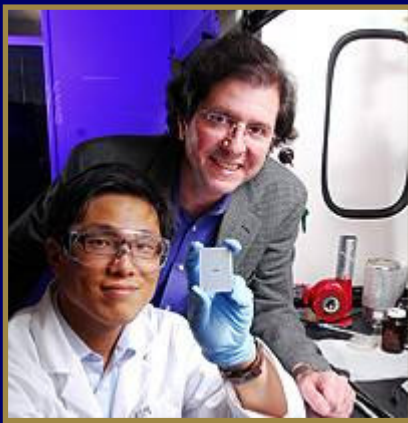
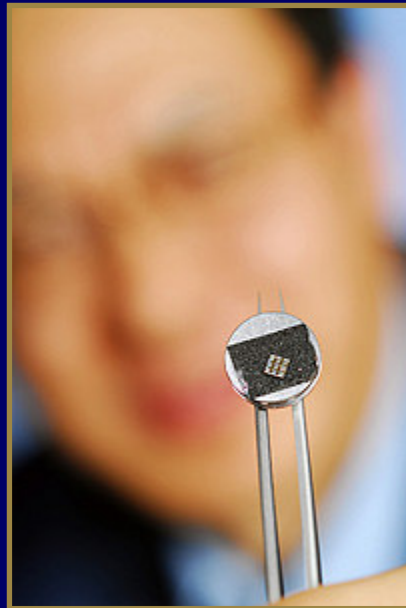
Crew:
1 gold,
3 silvers



7 of Tech's 17 intercollegiate teams advanced
to NCAA championship competitions

Focus on energy

Tiny nanogenerator harvests energy from environmental sources like ultrasonic waves, mechanical vibrations, or blood flow.



New nanoparticle film may make energy storage in devices like cell phones more effective.



Biofuel sources

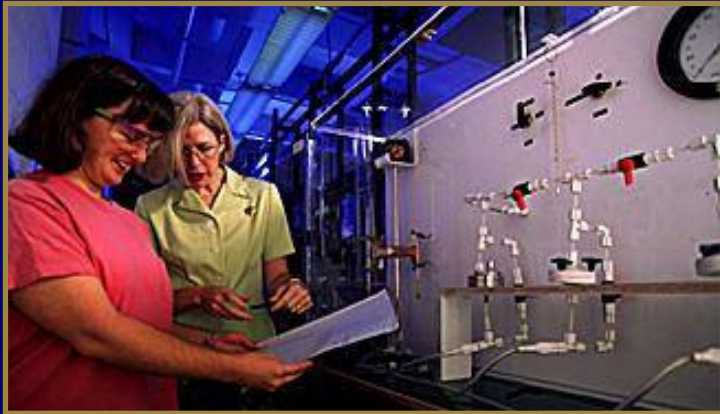


Southern pine, switchgrass



3-D solar cell captures almost all light that strikes it.

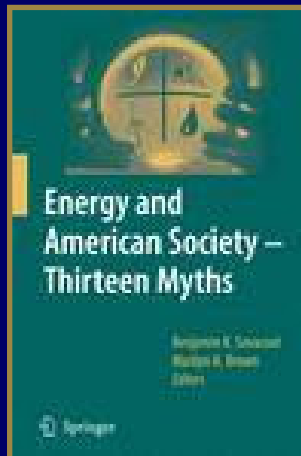
Energy – sustainability – climate change



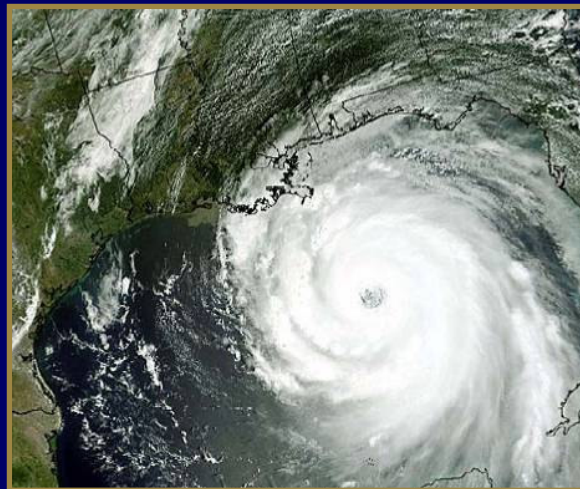
Carbon capture and sequestration to minimize CO₂ emissions



Solar house takes shape

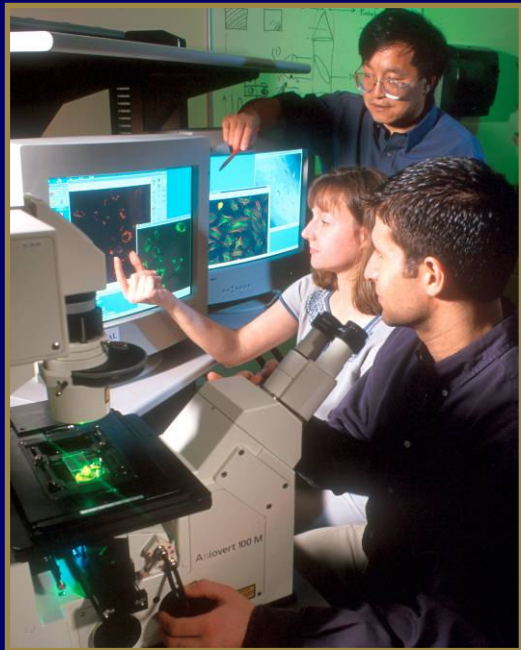


Marilyn Brown

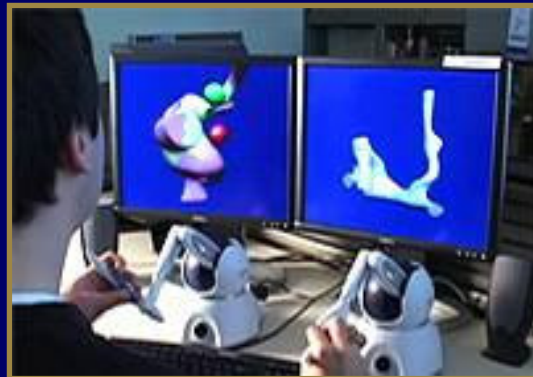


Impact of global warming

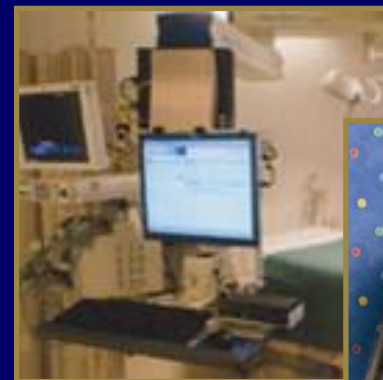
Transforming healthcare



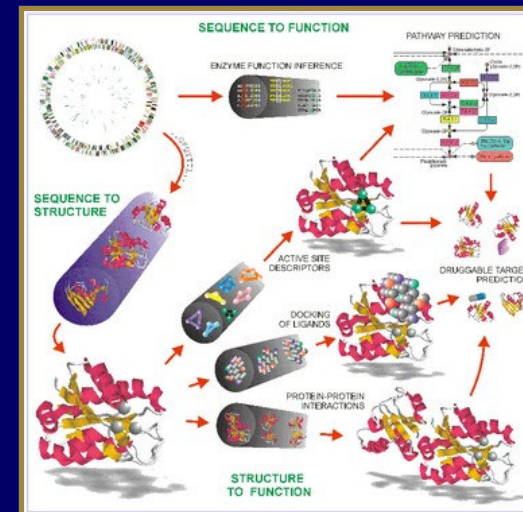
3 NIH Nanomedicine Centers:
Cardiovascular
Cancer
DNA and RNA repair



Modeling an optimal
heart surgery plan



Electronic health systems



Designer drugs based
on the human genome



A truly global university

- Takes typical international programs to a higher level and includes science and engineering.
- Builds strategic international research and education platforms that are interconnected with the activities of the home campus.
- Stimulates economic development and works on policy issues in a global context.
- Links to the highest levels of government in multiple international locations.

Hosting global leaders



France:
Catherine Bréchignac
President, Centre
National de la
Recherche



Christine Lagarde
Minister for Foreign
Trade



Liberia: Ellen Johnson-Sirleaf, President



Ireland:
Mary McAleese, President

North Korea:
Kim Myung Gil, Deputy
UN Ambassador



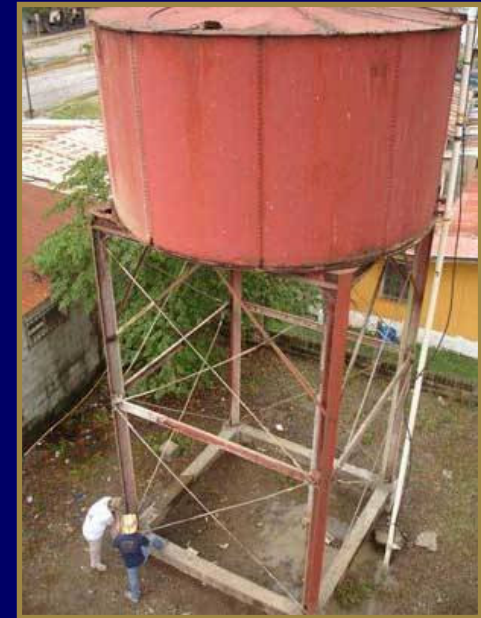
Addressing global environmental issues



Mark Hay, Julia
Kubanek in Fiji



Hermann Fritz in Java



Engineering Students
Without Borders in
Los Lima, Honduras



Peter
Webster in
Bangladesh

Students head abroad



John LeTourneau,
Venice



Travis Mitchell,
Melbourne



Beijing/Singapore Summer
Program, Inner Mongolia



Summer Program,
Georgia Tech Lorraine

An international flavor at home



Multi-disciplinary
studies through the
Korea Initiative

Paul Simon Award
for internationalizing
our campus



International
House
immerses
students in a
multi-cultural
residential
community.



Karan Chopra
2007 International Student
Leader of the Year

Buckhead

Atlantic Station

Piedmont Park

Georgia Tech

Midtown

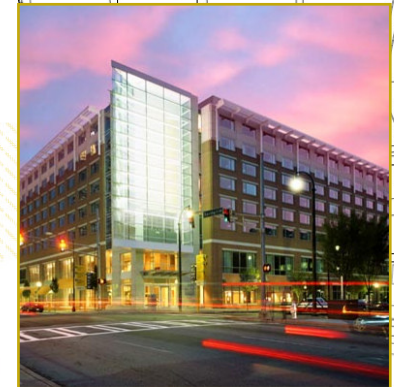
Technology Square

Strategic view of Georgia Tech real estate issues



Georgia Tech Campus 2007

Technology Square



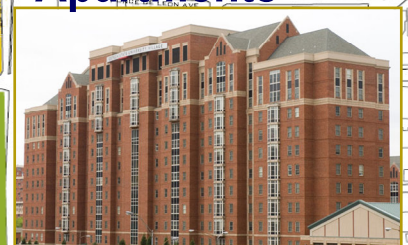
North Avenue
Research Area



Technology
Enterprise Park



North Avenue
Apartments



Technology Square

- Built on vacant lots, abandoned property
- Models sustainability
- Atlanta's technology nexus:
 - ▷ Incubates new companies
 - ▷ Houses Georgia Tech's business programs
 - ▷ Space for companies that want to be near campus
- Shops and cafes invigorate the neighborhood



North Avenue Apartments

- Gave us 2,005 new beds.
- Allowed 630 old beds to be taken out of service.
- Campus capacity now about 9,500 beds – 53% of student body.
- Most public universities can house only 25-35% of student body.
- Apartment style fills previously unmet need.





Altea Therapeutics - transdermal delivery system for water-soluble drugs & proteins

Size: 49,400 sf

Occupancy: June 2007



CardioMems - wireless sensing and communication technology for the human body

Size: 40,137 sf

Occupancy: Aug 2007

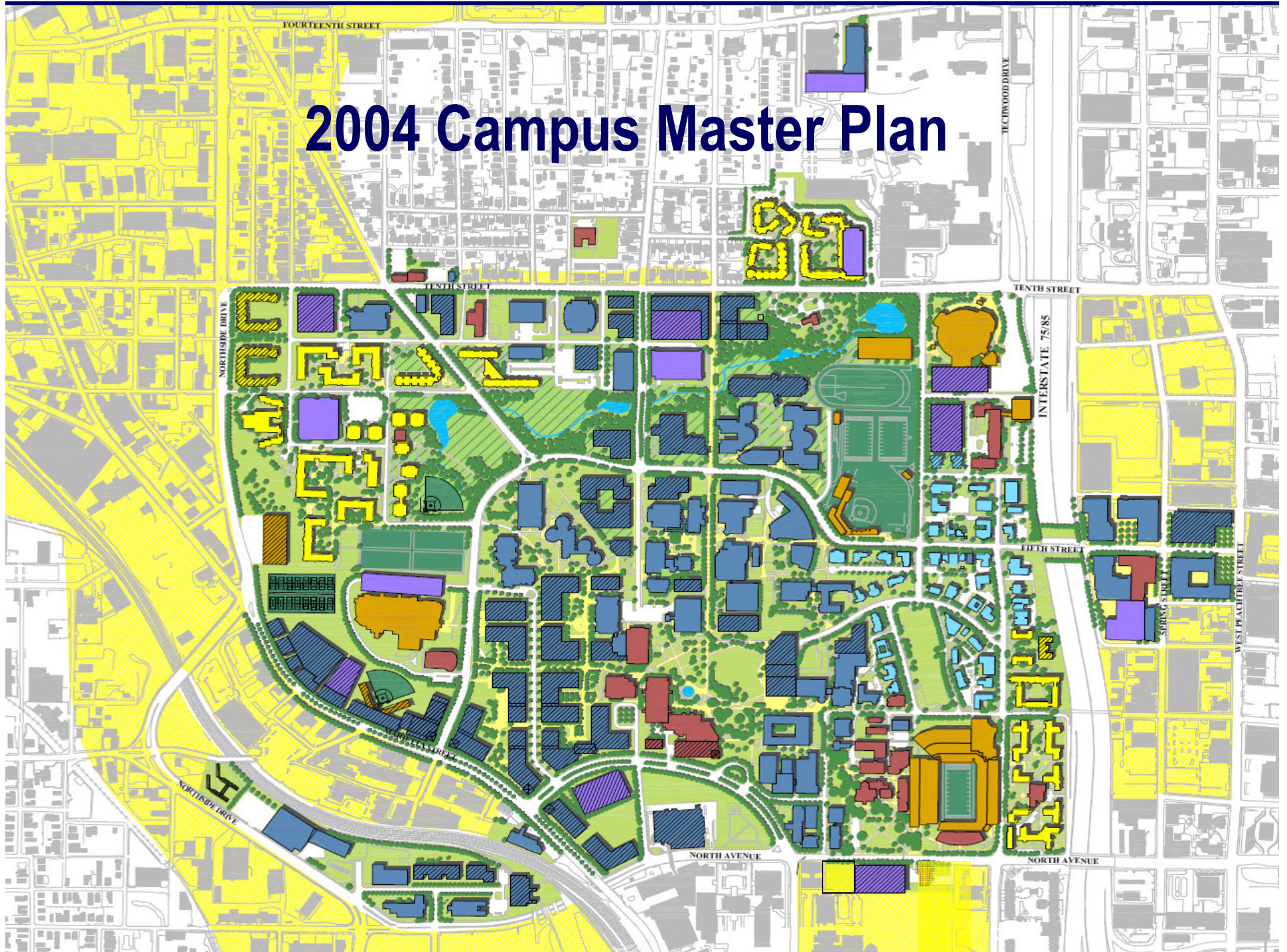


North Avenue Research Area

- \$40 million in annual research
- Five research labs:
 - ▷ GTRI
 - ▷ Ben Zinn Combustion Lab
 - ▷ Structures Lab
 - ▷ Advanced Wood Products Lab
 - ▷ Food Processing Technology Lab

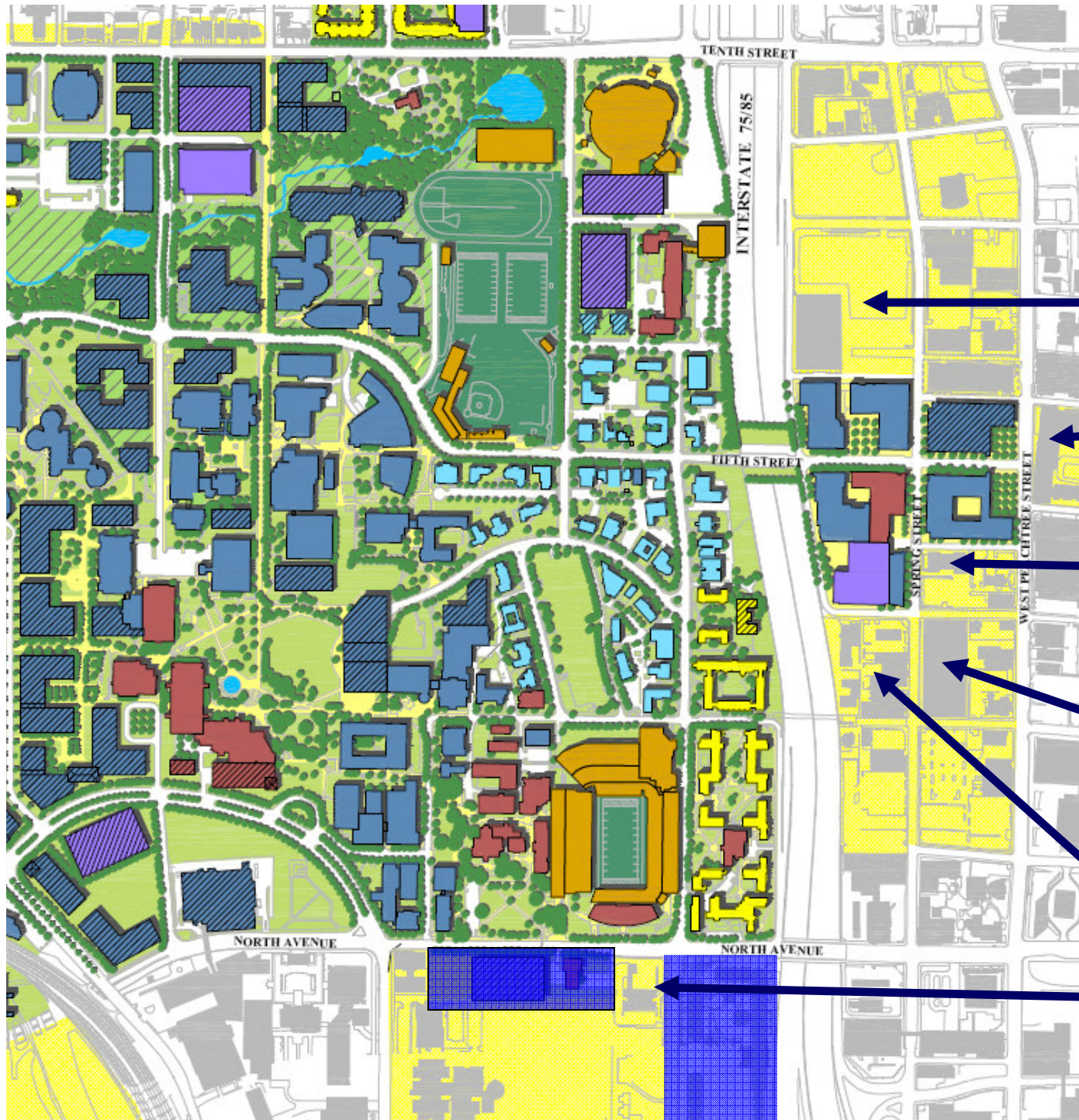


2004 Campus Master Plan



Acquisitions between Marietta St and Tech Parkway





East side

Centergy North

Biltmore

Tech Square
Extension

AT&T Parking
Garage

Arby's Block

Roosevelt House

Broad
area of
interest

